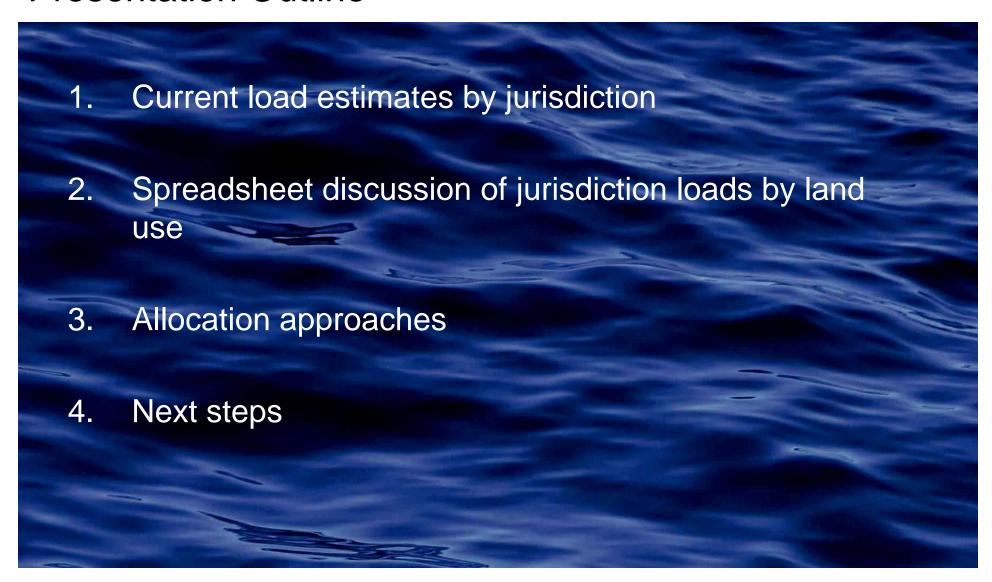
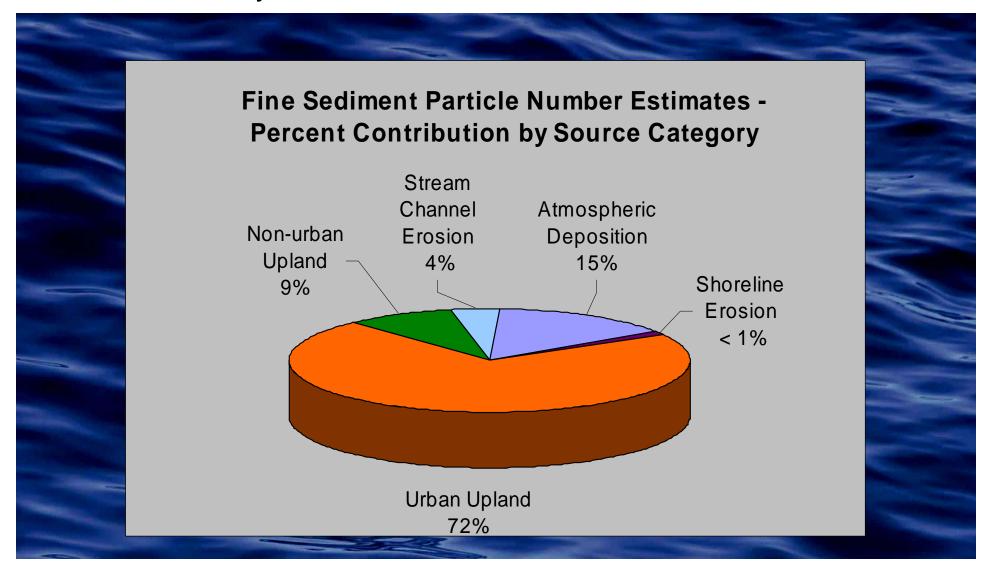


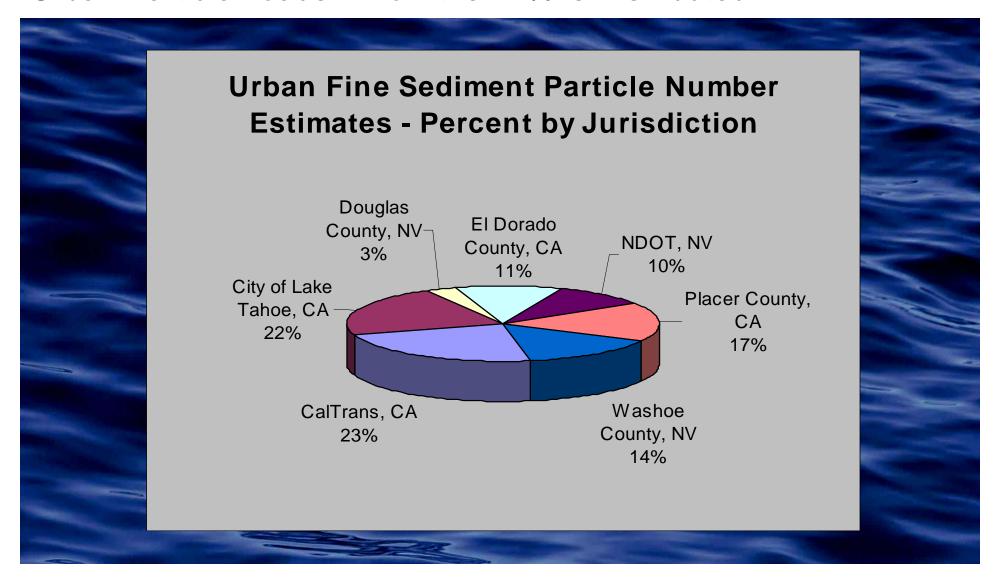
Presentation Outline



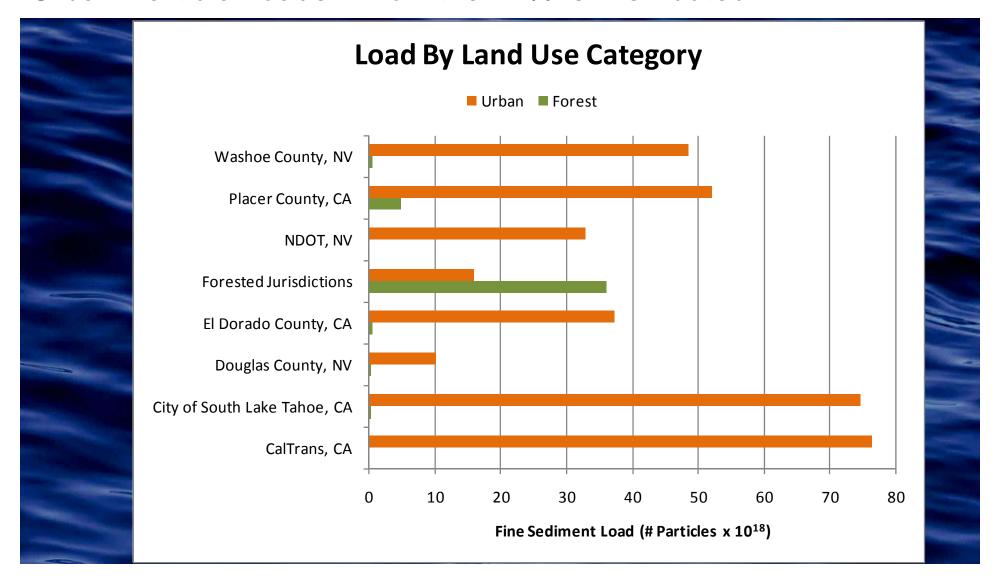
Particle Loads by Source



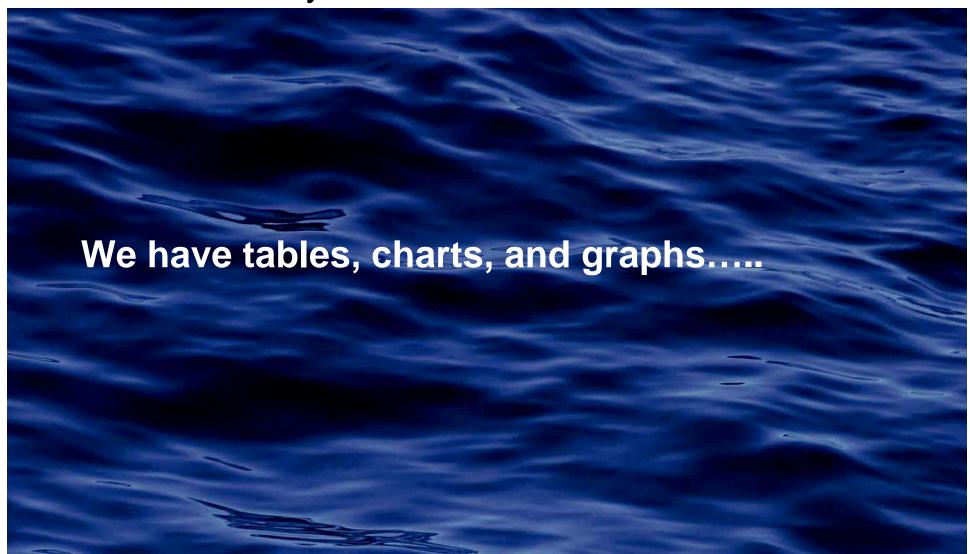
Urban Particle Loads – How the 72% is Distributed



Urban Particle Loads – How the 72% is Distributed



Pollutant Loads by Jurisdiction



Information to Inform Allocation Process

Allocation process is informed by two "foundations":

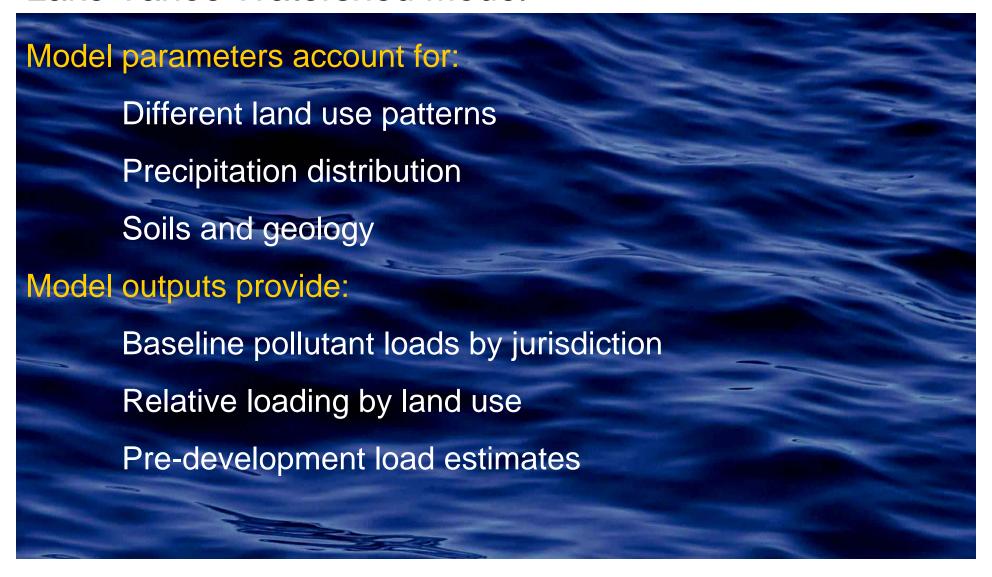
1. Lake Tahoe Watershed Model

Model output provides upland loading analysis by land use and by jurisdiction

2. Pollutant Reduction Opportunity Analysis

Recommended Strategy provides <u>relative</u> load reductions among the four major source categories

Lake Tahoe Watershed Model



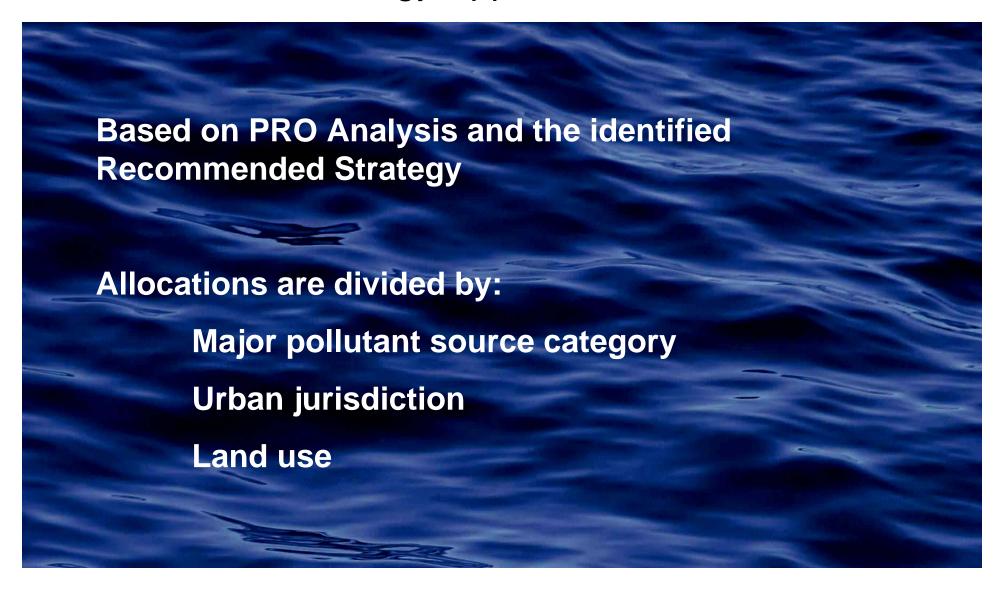
Allocation Approach Options

- a. Equal Percent Reductions by Subwatershedb. Load Reductions by Major Watershed
 - c. Land Use-Specific Load Reductions
 - d. Jurisdiction-Specific Load Reductions
 - e. Load Reductions by Major Pollutant Source
 - f. Load Reductions by Relative Anthropogenic Input

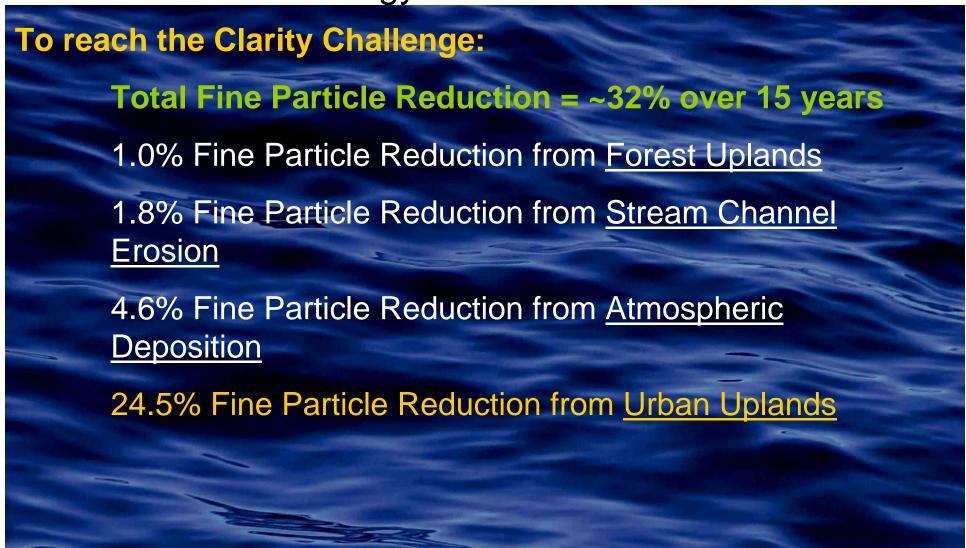
Possible Allocation Approaches

a. Equal Percent Reductions by Subwatershed b. Load Reductions by Major Watershed c. Land Use-Specific Load Reductions d. Jurisdiction-Specific Load Reductions e. Load Reductions by Major Pollutant Source **Load Reductions by Relative Anthropogenic Input**

Recommended Strategy Approach



Basin-Wide Implementation Reductions Recommended Strategy



Expected Percent Reductions by Source

Source percentages are determined by dividing the expected percent reduction (at 15 years) by the percent contribution: Forest Uplands: 1% / 9% = 12% Reduction Stream Channel Erosion: 1.8% / 3% = 53% Reduction Atmospheric Deposition: 4.6% / 16% = 30% Reduction Urban Uplands: 24.5% / 72% = 34% Reduction

Anthropogenic Inputs vs. Background Loads

Determine basin-wide and jurisdiction-specific "background" load

Determine basin-wide and jurisdiction-specific "anthropogenic" load

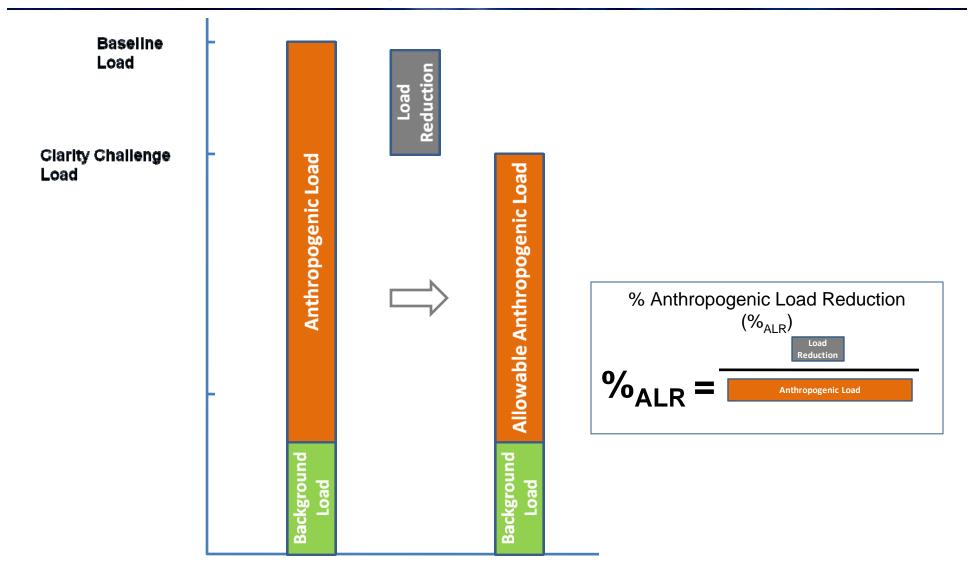
Allocate loads based on each jurisdiction's "anthropogenic" contribution

Load allocations would not apply to the "background" load

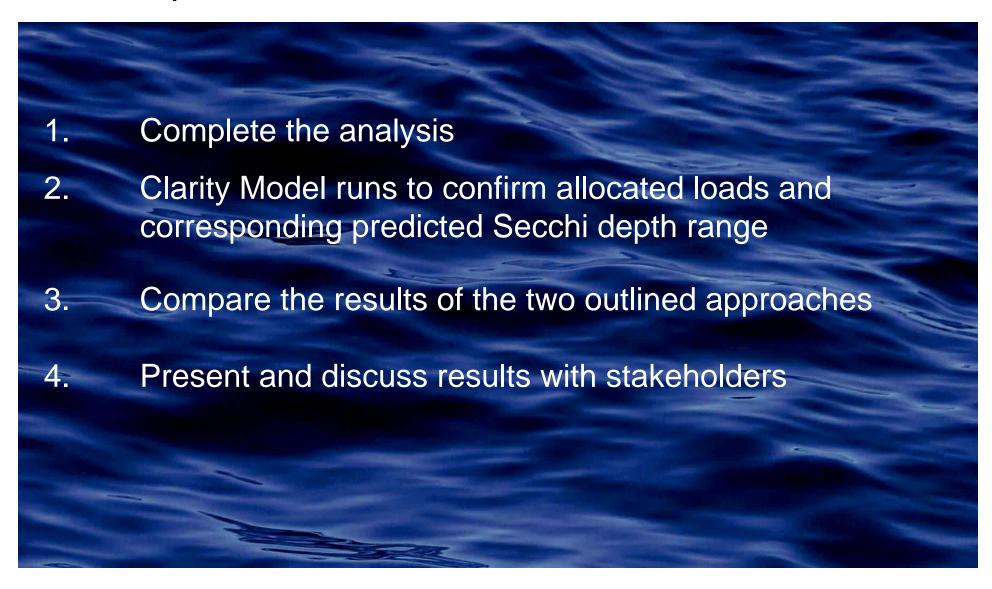
Anthropogenic Loading



Anthropogenic Loading

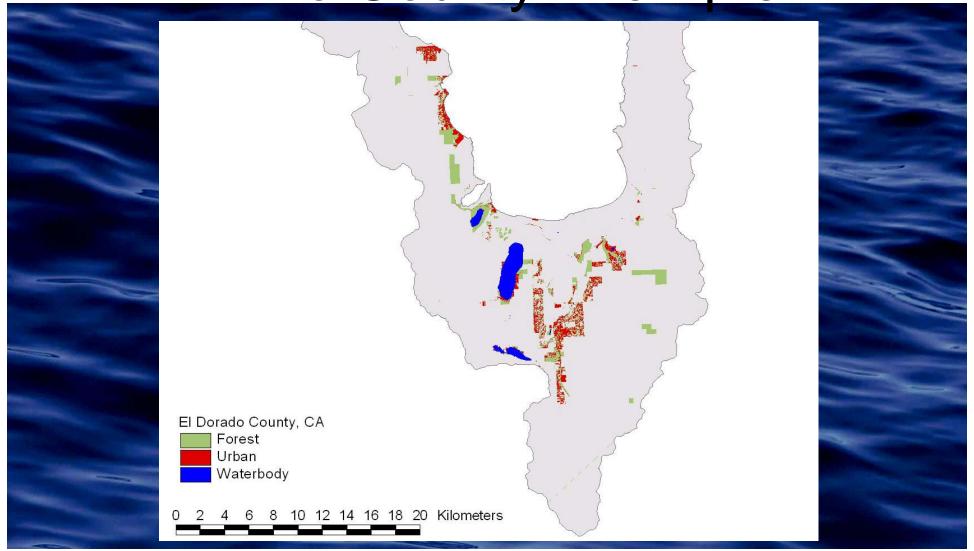


Next Steps

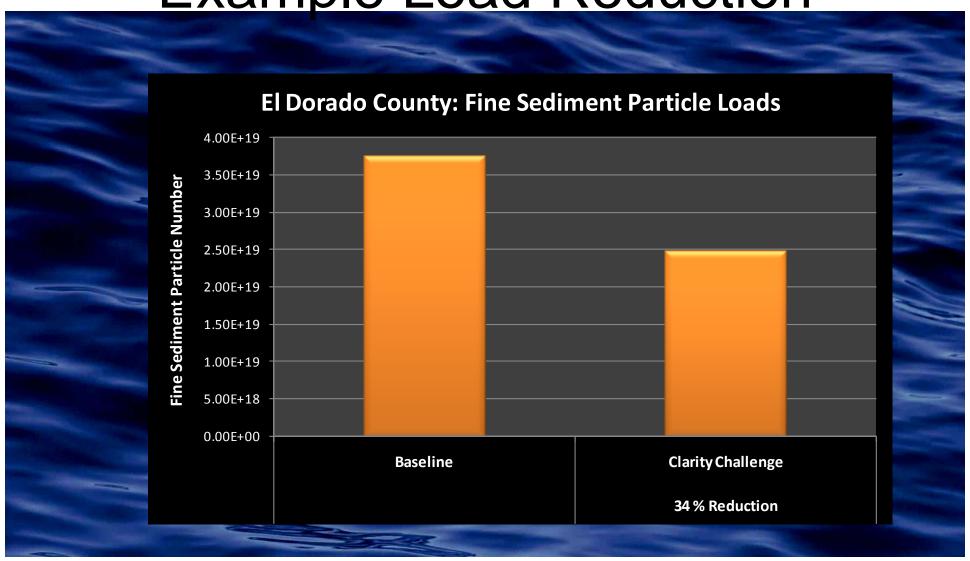




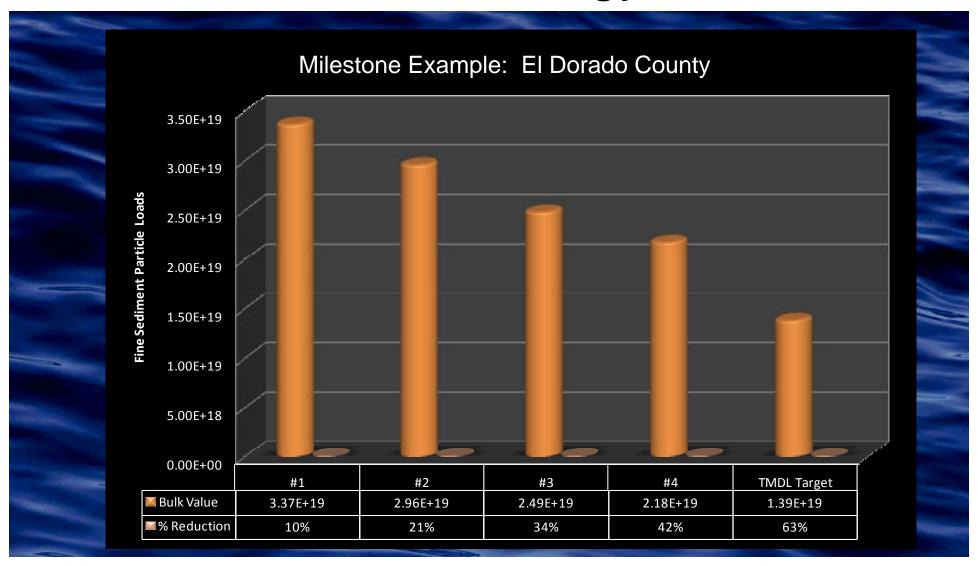
El Do County Example



Example Load Reduction



Recommended Strategy Milestones



Land Use Area by Jurisdiction

